APPENDIX B

AREA .. SUM(I,A(I)) = E = 0; VELOCITY(VINDX) .. VEL(VINDX) VSCALE =E=LE ORD(VINDX)), A(I)); SUM(I\$(ORD(I) 5 POSITION .. SUM(I,VEL(I)) = E = FINALPOS * SCALEFACT; VLIMITP(I) .. SUM(VINDX\$(ORD(VINDX) LE ORD(I)),A(I-(ORD(VINDX)+1))*(VOLTS(VINDX)+KBACK*VSCALE)) =L= VOLTLIM; VLIMITN(I) .. SUM(VINDX\$(ORD(VINDX) LE ORD(I)), A(I-10 (ORD(VINDX)+1))*(VOLTS(VINDX)+KBACK*VSCALE)) =G= -VOLTLIM

% A(I) are the current commands at time T(I) spaced equally at time DT.

% VOLTS(VINDX) is a table of voltages representing the unit pulse response to

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% a unit output in current command. VOLTLIM is the voltage limit at saturation.